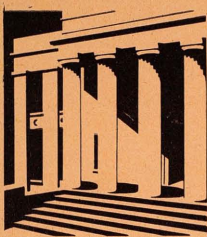


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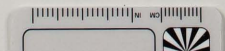
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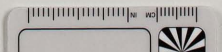
ANNUAL REPORT
OF THE
**AUCKLAND
INSTITUTE
AND MUSEUM**
1960-61

For presentation at the
Annual General Meeting
to be held on 31st May, 1961

AIM Ann Report
1960 to 1961



AIM Ann Report
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H.M. THE QUEEN.
Portrait in oils by Richard Halliday.
Presented by Sir Ernest Davis.

ANNUAL REPORT
OF THE
AUCKLAND INSTITUTE
AND MUSEUM

For 1960-61

For presentation at the Annual General
Meeting to be held on 31st May, 1961



AUCKLAND
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Staff of the Museum.



| | |
|--|--|
| Director | GILBERT ARCHIEY, C.P.E., M.A., D.S.C., F.R.S.N.Z., F.M.A., F.M.A.N.Z. |
| Assistant Director | A. W. B. POWELL, HON. D.S.C., F.R.S.N.Z., F.M.A.N.Z. |
| Ethnologist | V. F. FISHER, M.A., F.M.A.N.Z. |
| Hon. Curator of English China | C. REGINALD FORD, F.R.I.B.A., F.R.G.S. |
| Botanist | R. C. COOPER, M.A., B.COM., PH.D. |
| Hon. Botanist | LUCY CRANWELL SMITH, MA., D.S.C., F.L.S., F.R.S.N.Z. |
| Hon. Associate Botanist | MRS P. H. HYNES. |
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| Extension Service Officer | T. J. BAYLISS. |
| Planetarium Lecturer | R. A. McINTOSH, F.R.A.S. |
| Assistant Planetarium Lecturer | E. E. S. CURTIS. |
| Art Assistant | BETTY BROOKES. |
| Associate Entomologist | K. A. J. WISE. |
| Associate Entomologist | J. C. WATT, M.SC. |
| Education Officer | R. A. SCOBIE, M.A., F.M.A.N.Z. |
| Assistant Education Officers | B. H. CADMAN, B.A. N. M. ROE, B.A. |
| Secretarial | THERESE B. WILSON. |
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| Typist-Telephonist | GRACE M. KEALY. |
| Information Service | MARGARET M. BOND. DOROTHY J. BEAVIS. |
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| Recorder | H. A. HAYNES, O.B.E. |
| Custodian | J. STEWART. |

Attendants:

H. A. ARMISHAW, B. BARRATT, O. BECK, O. McGUINNESS,
J. S. THOMSON, W. H. YEATMAN.

OFFICERS
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
1960-61



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MR. J. H. ROSE, LL.B.

Vice-Presidents:

PROFESSOR L. H. BRIGGS, D.SC., D.PHIL., F.R.S.N.Z.
MR. J. W. KEALY, S.M.

Council:

| | |
|----------------------------------|------------------------------------|
| MR. J. D. ATKINSON, M.AGR.SC. | MR. A. T. PYCROFT. |
| MR. G. B. BELL, M.I.C.E. | MR. J. C. RENNIE, LL.B. |
| MR. S. G. BROOKER, M.SC. | SIR CARRICK ROBERTSON, F.R.C.S. |
| MR. ERIC HAY. | MR. J. SEABROOK, A.F.C., E.D. |
| LT.-COL. A. R. HUGHES. | DR. E. J. SEARLE. |
| MR. K. B. MYERS, M.B.E. | MR. R. B. SIBSON, M.A. |

Representatives of the Auckland City Council:

HIS WORSHIP THE MAYOR, MR. D. M. ROBINSON.
MR. W. M. TONGUE, J.P., E.D.
MR. A. O. GLASSE, O.B.E., M.C. MR. G. E. MYERS.

Representatives of Local Bodies:

MESSRS. G. E. AMOS, C. R. BACH, E.D., B.SC., F. C. McGEHAN,
R. S. SOUTHWELL.

Trust Board:

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|------------------------------|-------------------------|
| MR. KENNETH B. MYERS, M.B.E. | MR. A. T. PYCROFT. |
| (Chairman) | MR. J. C. RENNIE, LL.B. |
| SIR FRANK MAPPIN. | MR. E. H. RHODES, B.SC. |

Representatives on Council of Royal Society of New Zealand:

MR. S. G. BROOKER, M.SC.
DR. A. W. B. POWELL, F.R.S.N.Z., F.M.A.N.Z.

Director:

GILBERT ARCHHEY, C.B.E., M.A., D.SC., F.R.S.N.Z., F.M.A., F.M.A.N.Z.



Reports to Members



President

Approach to Local Bodies

When the first part of our building as a War Memorial to those who fell in the 1914-1918 War was being planned in 1920 the Institute had no income from Local Bodies and was dependent upon the subscriptions of members and its endowments to carry on the Museum. In the year 1927 the Metropolitan Local Bodies agreed to the promotion of the Auckland War Memorial Maintenance Bill under which they contributed annually to the Museum. Twice subsequently the Local Bodies agreed to statutory increases, and since 1953 the contribution has been 1/- per head of population. The increase of population does not keep up with rising costs; and since the last revision costs have increased so much that to make ends meet we have had to leave unfilled vacancies which have occurred on our professional staff. This staff is now five compared with eight in the year 1955.

During the year the Council has been preparing a case for presentation to Local Bodies to obtain their support for a Bill to give us increased contribution from the Metropolitan Local Bodies based partly upon capital values and partly on population, and at the same time including, on diminishing scales, all local bodies in the Auckland Province except those beyond Opotiki and in the Gisborne area.

The great deal of work has been done on these proposals by the Finance Committee and by the Director in preparing this case. In November the Mayor, Mr. D. M. Robinson, called a meeting of local body representatives at which a preliminary announcement of the Council's plans was made. Early in the New Year a booklet was issued and distributed to local bodies throughout the area which we are asking to come in. Visits have been made to local bodies in the area and many other visits will have to be made in the coming weeks. Members of the Council who have taken part in these visits are Mr. John Seabrook, Chairman of the Finance Committee, Professor Briggs, Mr. Rennie, Colonel Hughes, Mr. Pycroft and myself. The Director has been on all but one of these visits and the Assistant Director, Dr. Powell, has been on some. I must particularly mention the tremendous efforts which have

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been made by Mr. Seabrook who has done very much more than his fair share. The Director has been devoting a great deal of his time to organizing and making these visits.

We have had a considerable measure of success, but there is a tremendous amount of work still to be done before we can hope to obtain our objective. The case which has been presented includes a carefully prepared budget of our needs, details of work of the Museum with particular emphasis on its work in the school service, the extension service and work in answering enquiries. It has been very interesting to see how little this work is known, and the appreciative response which members of councils have shown when told of it.

Re-organization of Museum

The work of the Director and staff in moving the collections from places of temporary storage into the new Administrative Building and the reopening of the parts of the Exhibition Halls used for storage has proceeded. This work is mentioned in more detail in the Director's report. I mention it principally because I must record the appreciation of the Council of great efforts which the Director and staff have made in this work.

Awards

We have to congratulate our member Sir Douglas Robb firstly for the high honour of knighthood conferred upon him by Her Majesty the Queen and upon his election by the British Medical Association as its President. This Presidency is an honour which has been conferred outside of the United Kingdom on very few occasions.

At our last annual meeting our members elected Sir John Allum, C.B.E., and Mr. M. K. Draffin, M.C., Honorary Life Members of the Institute in recognition of their great services to the Citizens of Auckland and to the Institute.

Sir John Allum was chairman of the Auckland War Memorial Committee which was responsible for the erection of the second part of our building as a War Memorial to those who fell in the second war. Mr. Draffin is the senior partner of the firm of architects to the War Memorial Committee which designed this building and he was also a member of the firm of Grierson, Amier and Draffin who were the architects for the original building.

The Royal Society of N.Z. has conferred upon our member Dr. E. E. Chamberlain, F.R.S.N.Z., the Hector Medal for his researches in viruses. The medal was presented to Dr. Chamberlain by the President of the Royal Society of N.Z. at a special meeting at which Dr. Chamberlain delivered the address.

The Hamilton Award was presented to our member Professor F. H. Sagar.

Council

At our annual meeting last year Mr. J. D. Atkinson, Lt. Colonel A. R. Hughes, Dr. E. J. Searle and Mr. R. B. Sibson were elected to the Council and are proving valuable and enthusiastic members.

To the former members, the Hon. Mr. Bloodworth and Dr. Chatfield, and to Dr. Fairclough who did not seek re-election and Mr. Ford who retired early in the year the Council's warm thanks for their services were expressed and will, we know, be endorsed by members. Mr. Ford was President in 1938-39, Mr. Fairclough in 1940-41 and Mr. Bloodworth in 1947-48. On Mr. Ford's retirement, Council elected Mr. A. T. Pycroft whose long service on the Council is well known to members.

Members

In spite of increase in the subscription the number of members has remained constant. Changes are as follows:

| | As at 31/3/60 | As at 31/3/61 |
|----------------------|------------------|------------------|
| Life Members | 378 | 386 |
| Annual Members | 805 | 804 |
| | <hr/> 1183 | <hr/> 1190 |

Alteration to Rules

At a special general meeting held on 23rd March the Rules of the Institute were amended to provide for the election of the President and members of the Council by a postal ballot.

Obituary

With regret we record the deaths of Mr. F. L-G. West, Vice-President, Dr. J. A. Clinch, Mr. T. V. Fitzpatrick, Mr. W. M. Fraser, Mr. H. C. Moses, Mr. P. H. Upton, Mr. A. McCosh Clark, Mr. J. A. Howie, Mr. H. B. Lusk, Dr. G. M. Pezaro, Mr. A. M. Seaman, Mr. J. W. Tattersfield and Mr. H. O. Wilson.

Mr. West was a Council member continuously from 1949; he was President in 1952 and Vice-President until his death. Dr. Clinch was the donor of a collection of English silver; he also bequeathed £500 for photographic equipment.

Gifts to the Museum

The year has been a notable one for gifts to enrich the museum display and for monetary donations. A further Royal portrait by Richard Halliday commissioned by Sir Ernest Davis

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is that of H.R.H. Prince Philip who has graciously consented to sit for it next year. Another fine portrait is that of His Excellency the Governor-General by Philip Lambe, the gift of an Auckland citizen. For enrichment of the Halls of Memory a lady who wishes to remain anonymous has given £500; a member of the Institute has given £200 for the development of exhibition halls and another member, Miss E. L. Hellaby, has added £100 to her previous donations for the memorial. A donation of £250 from Sir William Goodfellow enabled the purchase to be made of a van for the Extension Service; Sir William also gave £150 for the purchase of eighteenth Century English porcelain.



The Extension Service about to set out on a display changing trip.

From two late members, Mr. H. G. Atkinson and Dr. J. A. Clinch we have received bequests which will be complementary in their application: £678 for the endowment of research by the staff, and £500 for photographic equipment.

For the fitting up of the children's hobbies room and staff room a donation of £600 was made by the Trustees of the Auckland Savings Bank; further help with this project was received from Sir James Fletcher who gave detailed advice on

design and on the material required and, with two of his firms, joined the following generous donors of materials of all kinds: Messrs Australian Fibre Glass Pty. Ltd., BALM Paints (N.Z.) Ltd., Briscoes Ltd., British Imperial Paints Ltd., John Burns and Co. Ltd., Fletcher Industries Limited, Fletcher Timber Co. Ltd., Formica (N.Z.) Ltd., Henderson and Pollard Ltd., The Kauri Timber Co. Ltd., H. C. Kitchen Ltd., N.Z. Forest Products Ltd., C. and A. Odlin Timber and Hardware Co. Ltd., Phillipps and Impey Ltd., Seaboard Joinery Ltd., Smith and Smith Ltd., J. R. Webb and Son Ltd.

Our Honorary Botanist, Dr. Lucy Cranwell Smith and her co-author Professor Arnold Wall, C.B.E., have given the future rights in their well known Botany of Auckland, a further edition of which will shortly appear. The Maritime Museum we are developing received three fine builders' models: the "Ormonde" presented by the Union Steamship Company and the well known Auckland ships "Wakatere" and "Manaia", the gift of the Northern Steamship Company. Monetary gifts have also been received from ex-members of "A" Company, National Military Reserve, and the Re-union Committee of 22nd Battalion, 2nd N.Z.E.F.

It is very gratifying to see, from how many sources the Museum has been receiving such generous support particularly in view of the needs of the present time. For these and for the gifts recorded later in this report appreciation and thanks are expressed.

Financial

The closing of the Income and Expenditure Account with an adverse balance of only £87 has been achieved only by drawing heavily on reserves; the car purchase reserve of £1,374 and the show-cases reserve of £2,399 have gone, while £400 has been drawn from the specimen purchase reserve.

Much has had to be expended on the building itself, for fitting up rooms, for electric light and power installations and floor-coverings. This has been met in part from the Auckland Savings Bank jubilee gift of 1947 together with a special donation of £600 made this year by the Trustees of the bank towards the Children's hobbies room.

The generous contributions, already acknowledged, of materials for the hobbies room and staff room have been a most acceptable relief to expenditure. Reserves for building and equipment are now reduced to £2,833 and there is still much to be done to equip new halls and the administrative building.

Salaries and wages have increased, but only moderately; the increases in postages, telephones, travelling, printing and stationery

reflect the return to fuller general museum activity as distinct from the display work and specimens transfer of the previous year.

Members' subscriptions, now at two guineas, increased by £880 (94%), contributions from local bodies by £678. The apparent drop in interest on investments is due to the allocation of the revenue of special endowment funds, as shown in the tabulated statement, separately from the revenue properly belonging to the income and expenditure account.

Members will realize that expenditure for the coming year has had to be very closely budgeted.

J. H. ROSE.

— ☆ —

Chairman of the Trust Board

Mortgage repayments, and debentures and stock matured, together with newly received bequest funds and life members' subscriptions have been invested in local body debentures: £8,755. The endowment funds and reserves now stand at £109,541.

Edward Earle Vaile Fund mortgage repayments and proceeds from the sale of properties have been placed on first mortgage: £5,300.

The investments are all in satisfactory trustee securities.

Much attention has had to be given to the condition of certain properties of the Vaile bequest. Following inspection by the Board, repairs and improvements were authorized; the amount spent, £3,943, and yet to be paid, £786, is being met from revenue, thus conserving the endowment capital of the fund and the obsolescence reserve. Through the improvements effected and by advantageous re-letting the revenue from the fund will be increased. Negotiations are in hand for the sale of a small property distant in the country and a house-shop property standing on the route of a new motorway.

KENNETH B. MYERS.

— ☆ —

Director

The Institute

The customary Monday evening Institute lectures were once more supported by very good attendances and members will wish to join in thanking the speakers for the very interesting addresses

given. Dr. E. G. Bollard, B.Sc., Ph.D. (Cantab.), A.N.Z.I.C.: "Growth Requirements of Plants and Plant Tissues"; Dr. H. L. Mason, University of California: "A New Look at Taxonomy"; Mr. J. B. Brooke, O.B.E., B.E., A.M.I.M.E., A.I.N.A.: "Science in Industry"; Professor J. E. Morton, D.Sc.: "Swimming Molluscs".

The Annual British Medical Association lecture was given by Dr. F. C. Platts, M.B., Ch.B., on "Recent Trends in Aviation and Space Medicine."

Attendances at the Sunday afternoon lectures proved again the popularity of the series; we make appreciative acknowledgements to Dr. K. P. Lamb, M.Sc., Ph.D. (Cantab.), "Native Plant Galls"; Dr. A. W. B. Powell, Hon. D.Sc., F.R.S.N.Z., F.M.A.N.Z., "Shellfish of Antarctic Seas"; Mr. C. W. Hawkins, "The World of Shipping"; Mr. W. T. Roy, M.A., "South East Asian Peoples and Their Problems: A New Zealand View"; Dr. E. J. Searle, "Auckland in the Last Million Years"; Mr. W. W. Gunson, "Far Eastern Ceramics and Artifacts"; Mr. Basil Chapman, "Oil Industry Today".

The Museum

The year has been one of house-keeping or, more precisely, of house-establishment. We entered it with a dedicated Second War Memorial and its accompanying Armed Services Museum of three new halls; also, on the ground floor, one new hall of Oceanic Navigation. Three halls of the First War Memorial Museum were still closed as temporary store-rooms, and the task of 1960-61 has been to bring our new store and study rooms into order so that the former exhibition halls, in particular the New Zealand Bird Hall, Maori Hall East and a considerable part of the Maori Court, could be restored to public access. The latter was accomplished before Easter, actually somewhat ahead of the former. That is to say the collections have been transferred but only partly housed and in order.

What have been moved are eighteen six- or seven-panel store-cases (exhibition-cases of the Princes Street Museum), four 12-compartment bench cases, five large landscape group cases of birds, many large Maori carvings and canoes, and a Maori food-store. The transfer of each store-case involved the withdrawal of the specimens and their removal to a holding location, the unhinging of 117 glass-panelled doors; the dismantling of shelves, seven in each; the sawing of the cases themselves in half and bracing them; transporting via halls, goods elevator, passages—a devious route to avoid low doorways—and by sling and hoist to the new store-rooms; re-assembly with trueing-up so that doors would fit;

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re-shelving; painting; re-accommodating the collections. The team for this, and for moving by jack, lever and low trolley, the large display groups and canoes was Clyde Hensen, Jack Stewart, Owen McGuinness and George Adams.

In addition, 40 large ethnology store cabinets, all parts of which had been cut and framed last winter were assembled.

We now have the ethnology store rooms with all cases installed and half of them filled and in order, and ornithology and geology store-rooms with the collections housed or under cover but not yet in order; their completion is a task for the coming year.

The setting up of the children's hobbies room, the staff lunch room and attendants' room, involving the provision and construction of seats, benches and cupboards, was carried out, after sometimes animated staff discussions and the final preparation of attractive drawings by Mrs. Brookes and Dr. Powell. The work was done by John Day and George Adams under the direction of Dr. Powell.

I should like to join with the President in thanking the Trustees of the Auckland Savings Bank for their generous gift towards this work, also Sir James Fletcher for his advice in planning and supply, and the several firms, including two of his own, who gave so much of the material for the setting up of these rooms.

Appreciation is also expressed to Mr. O. D. Peak who came specially from Leigh for a week to carry out expert renovation of the large builder's model "Ormonde"; and to Miss Lois Bishop for the preparation of skeletons of birds and mammals.

The Future

The necessary settling in is well on the way, but when we turn to that part of the Museum that the public, our visitors, are more concerned with, we realize that we have four new exhibition halls to bring into service. These will require considerable capital expenditure.

Dr. Powell has completed his plans for the first, a hall of Fishes and Marine Mammals; the estimated cost is £3500. We have often talked together about the hall of Ornithology with its major constructional work and lighting for habitat groups and all the detailed technical taxidermy and preparator's work and landscape painting; but with an estimated cost of £8000, perhaps £10,000, we do not get beyond discussion. The hall of Oceanic Ethnology will cost £5000 for cases (fortunately it is curtained and cork-tiled), and display-cases and equipment for the hall of Invertebrates and Entomology will cost another £5000.

After that there will be moves all round. Dr. Cooper wants the present fish display out of the way so that he can set up the Cheeseman Hall with botany and forestry alone; Dr. Powell has intruded a camel's head in the form of a growing maritime museum into the geology tent, which means that geology will soon be applying pressure to foreign birds; but the latter are awaiting the establishment of the Hall of Ornithology! I myself want New Zealand Birds to go to the same hall so that I can have a large hall for adequate presentation of English furniture, china, glass, silver, enamels and domestic arts. Mr. Fisher and I want the new ethnology hall equipped so that the present western front hall (Oceania) can be allotted to the arts and crafts of other primitive folk and the eastern front hall of general anthropology to the civilizations.

Special Exhibitions

Meanwhile we are not being unduly frustrated by unrealized ambition. We have been keeping our hands in, as it were, by special exhibitions and have already discovered the advantage of having a separate special exhibitions hall. It is the former carpenter's workshop, taken in hand by Mrs. Brookes and Mr. Bayliss who have had it painted, with voluntary help which we gratefully acknowledge, given a white cord ceiling (their own work) and equipped with suitable lighting. The result is admirable.

For the first special exhibition, a fine display of Chinese Art arranged and partly contributed by Mr. W. Wallace Gunson, Mr. Vernon A. Brown, Mr. Henry Ah Kew and Mr. David Cooke, we had long-intended internal lighting installed in the centre cases. This was an Auckland Festival of the Arts exhibition, as was also The Wool Workroom arranged by the Auckland Guild of Hand-weavers and the Wool Board.

Other special exhibitions or displays were:—

Samuel Marsden: books and pictures lent through the Turnbull Library, together with some of our own: (Miss Evans, Mr. Bayliss, July).

School Science Exhibition: (arranged by the Auckland Science Teachers' Association, August).

Neville Barnett Book-plates: (arranged by Miss Jeanne Goulding, September).

Cheeseman Memorial Native Flower Show: (Dr. Cooper with natural history clubs and groups, September).

Auckland Air Photographs presented by Mr. Leo White: (Mrs. Brookes, Mr. Bayliss, November).

Christmas Trees: (Dr. Cooper, Mr. Bayliss, Mrs. Brookes, Christmas Week).

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Chinese Contemporary Paintings in Classical Style: (lent by the Government of the Republic of China, January).

Native Medicinal Plants: (Drs. Cooper, Cain and Cambie, Mrs. Brookes, January).

Early Maps: (Miss Goulding, April-May).

All the displays and exhibitions have had the benefit of advice and practical assistance from Mrs. Brookes on design and arrangement and in the contribution of accompanying drawings and labels. Besides the drawings for the staff room, she prepared for our own preliminary discussions with Mr. Draffin a plan-drawing setting out our ideas for the paving and organization of the inner courtyard.

Research

Some research and study have also been carried out. Records of the Auckland Institute and Museum, vol. 5, nos. 3 and 4, included papers by Dr. Powell, Antarctic and Subantarctic Mollusca; Dr. Donald F. Squires, of the American Museum of Natural History, Scleractinian Corals from the Norfolk Island Cable; and Dr. Archey, Pare (Door Lintels) of Human Figure Composition.

Mr. Brooker and Dr. Cooper have written a handbook on New Zealand Medicinal Plants; and a second edition of the present writer's "Sculpture and Design, an outline of Maori Art", has been issued.

Professor Arnold Wall, C.B.E. and Dr. Lucy Cranwell Smith having generously handed over to this institution all rights in their excellent "Botany of Auckland", Dr. Smith and Dr. Cooper are at present preparing a second edition which we know is eagerly awaited.

Visitors

The attendance of visitors has been heavy, reaching the record total of 408,000. Apart from the interest of a virtual re-opening of the Museum, attendances at the planetarium sessions and the several exhibitions have contributed considerably to this high number.

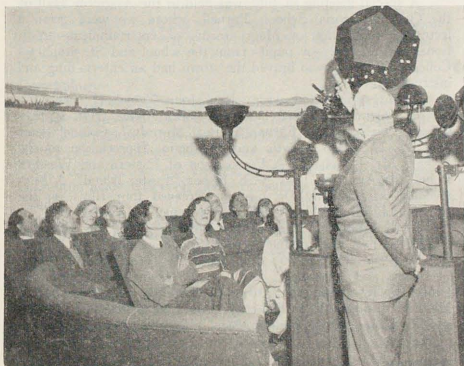
Institute

The renewal of the normal number of Institute lectures brought a good response in attendance by members. To meet the request made at the last Council Meeting for more "ordinary meetings" for presentation of scientific papers, a request for contributions was again widely circulated, but as in former years only the Assistant Director and the Director responded. In the coming year a conversazione, to be arranged by Dr. R. E. F. Matthews with demonstrations of current research, will be held instead.

The Institute had the pleasure of welcoming Sir Laurence and Lady Bragg in September when Sir Laurence gave an address on the Royal Institution of which he is Director.

General

The Planetarium continues in increasing popularity both as an enjoyable special feature of the Museum and as an important instrument for education. Special sessions for headmasters, school inspectors, the Royal N.Z. Astronomical Society, and evening sessions for local societies have extended knowledge of the planetarium itself as well as of the heavens; there have been excellent attendances at day sessions and at the many school class showings. It should be recalled that the donors of this splendid amenity, the Farmers Trading Company, are for a period of three years sharing equally with the City Council the cost of the planetarium service.



Staff members attending a preview of the planetarium

An evening of displays, planetarium sessions, cinema screenings and educational activities to which members of local bodies were invited was held in October. Unfortunately it was a violently stormy night which limited the attendance, but our

visitors appreciated the demonstration, and no doubt we shall repeat it.

Members of the staff continue to give public lectures to clubs and other organizations in town and country; two members have given television sessions. The staff are also contributing weekly articles on the museum collections in the "Auckland Star" Saturday magazine section.

Anthropology and Maori Race

The Section, under the Chairmanship of Mr. John Waititi has had another successful year. At a Field Day on Mt. Wellington Mr. J. Golson told us the reason for the excavations being carried out by members of the University Archaeological Society, and described the overall plan of work. The excavation technique and the significance of the strata uncovered were described by Messrs L. Groube and R. Carter; to the leader and his colleagues our thanks are due for a very interesting afternoon.

A special meeting in July, was held in the Assembly Hall of the Queen Victoria School, Parnell, where we were given a lecture-demonstration of Maori forms of entertainment—traditional and modern—by pupils from the school and St. Stephen's College. Members who braved the storm had an entertaining and instructive evening.

Lectures presented were; Rev. John Tamahori, "Tonga"; Mr. Eric Grimes, "Race Relations in South Africa"; Dr. Murray Groves, "Urban Wage Earners in Port Moresby"; Colonel Peter Awatere, D.S.O., "Analytic and Synthetic Appreciation of the Haka"; Mr. J. Golson, "A Comparison of Eastern and Western Polynesian Artifacts"; Mr. V. F. Fisher, "Easter Island". A Film Evening, arranged by Dr. Groves, screened four films on the Social, Political and Economic Development of New Guinea.

At the Annual Meeting held in November 1959, the following were elected Officers of the Section for the ensuing year. Patron, Professor W. R. Geddes; Chairman, Mr. John Waititi; Hon. Secretary and Treasurer, Mr. J. T. Diamond; Committee, Professor R. Piddington, Miss I. Hamilton, Miss B. Miles, Messrs R. Bulmer, V. F. Fisher, J. Golson, E. Grimes, T. Graham, and R. Scobie; Hon. Auditor, Mr. J. Prebble. The membership of the Section is 82.

Astronomy

The Auckland Astronomical Society has had another useful year, with an active membership of about 250. The meetings have been fairly well attended and a fine syllabus dealing with various aspects of the universe has been contributed by able speakers and scientists.

During the year there was considerable discussion on the proposed observatory; a site in Cornwall Park near Manukau Road has now been made available by the Cornwall Park Domain Board. The Trustees are working for a drive for funds to house the telescope provided by the late Mrs. Blackwell. Architects are still working on the design of a beautiful building and Auckland will soon have an observatory providing for public observation and some research of which all may be proud.

Last November the Society was pleased to be hosts to the Royal Astronomical Society of New Zealand for their Annual Meeting. It was the first occasion that the R.A.S.N.Z. has held its meeting in Auckland. We were happy and grateful to the Museum authorities under Dr. Archey for making the fine building of the Museum available for us for these meetings and that Mr. McIntosh, F.R.A.S., was able to arrange a session at the Planetarium for the visitors. The meeting was most successful and the visitors enjoyed arrangements and their stay in Auckland.

The Society has a big year ahead of it and a good programme of lectures has been arranged which should be of real interest to all.

Conchology

Monthly meetings of the section have been well attended, an average of 38, a notable increase over former years, the result no doubt of the greatly improved facilities and pleasant appointments of the new club room, incorporated in Dr. Powell's department.

Special interest was created by the exhibiting of extensive collections made by several members, notably, shells of the Solomon Islands by Rev. A. H. Voyce, Shells of Tonga by Rev. J. Jacobson, and the Volutes of Australia by Mr. and Mrs. G. Hodge. In addition to these special displays, Dr. Powell exhibited extensive material relative to the topic under discussion at each of the evening meetings.

A number of field days were held, but those over the winter months were poorly attended due to adverse weather in most cases.

A very successful new departure was the holding of a week-end camp at Whangamata, the outcome of a generous offer by two members, Mr. and Mrs. Turner, who made available free of charge the facilities of their motor camp.

The Annual Bulletin of original papers by members, No. 16 is in the press and should be printed shortly.

The President of the Section is Mr. A. K. Hipkins and the Secretary Mrs. L. Seager. The membership is 134.

Maritime

Most of the monthly meetings were held in the Assembly Hall of the Museum but a few were held in the lounges of visiting liners. Highlight of the year was undoubtedly the historic function held on board the Monowai in June. Various speakers covered the remarkable history of the ship and some were assisted by the use of colour slides. Although our members were the guests of the company for this occasion, both Captain Young and managers of the Union Line expressed their appreciation of the work that had been put into this project and of the success achieved. A nautical brains trust, a panel discussion and various lectures have added further colour to a most interesting year's programme.

Individual members are continuing their research work and we hope that the Museum Library will benefit from this in due course. First to complete a worthy piece of research has been Mr. Clifford Hawkins whose new book "OUT OF AUCKLAND" has received high praise by the reviewers. The Society is also endeavouring to help the Museum Library build up and complete its excellent collection of pictures of Northern Company steamers.

The overall picture of the society's activities is one of commendable enthusiasm and no doubt this will be continued during the years to come. In conclusion the section takes this opportunity of thanking Dr. Archey, Dr. Powell and Miss Evans for their co-operation and sympathetic interest in all our projects.

Additions to the Collection

Further to those recorded in departmental reports, are the Log of H.M.S. Achilles, including the day of the River Plate action, deposited by Navy Archives and received through the Commodore, Auckland; the official German Ensign hauled down on the capture of Samoa 1914, presented by ex-members of the Samoa Expeditionary Force; an Italian flag captured at Tobruk presented by Brigadier Kenneth McCormick, C.B., C.B.E., D.S.O.; 38 models of service aeroplanes made by the donor Mr. D. R. Lyon and a fine old Windsor chair presented by Mrs. D. B. Robertson.

GILBERT ARCHEY.

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Assistant Director

After over twelve months of settling in, the new department is functioning in almost a "business as usual" manner.

A very considerable backlog of commitments accumulated during the stress, disruption and preoccupation of moving in, has

been greatly reduced; the collections are now readily accessible and for the most part in first class order.

The planning of the department has proved most satisfactory in practice and has not required modification in any way. A particularly successful feature is the "built in" club room for the Conchology Section. Here the Club's monthly meetings now function very smoothly, with their library and collections at hand and ready reference to the literature and material of my own department.

Plans and specifications have been drawn up and a scale model prepared for the proposed new hall of Fishes and Marine Mammals. Also a sketch plan for the proposed Maritime Hall, was prepared. However, a start on these projects cannot be made until funds are available. At a conservative estimate, the first mentioned project would cost about £3500.

Plans were also prepared for the new "Hobbies Room" and the work supervised throughout. Supervision of the construction and installations connected with the new Staff Room was carried out concurrently with that of the Hobbies Room.

Work has proceeded as a spare time project with the remounting of the Ayre collection of postage stamps. Also the collection is being kept up-to-date by the adding of new issues, financed by a fund bequeathed by Mr. Ayre for that purpose.

Our philatelic collections are mostly British Commonwealth issues of the reigns of King George VI and Queen Elizabeth II. However, we are endeavouring to increase the scope of our collections by extending the Commonwealth section to cover earlier issues and also by the addition of stamps from foreign countries, the latter to be used in building up thematic features aimed at catering for the interest of young collectors.

If members have any unwanted stamp material in the above categories, it would be gratefully received.

The two stamp exhibit cabinets which contain in all 32 sliding panels are again on public exhibition. One cabinet features postal history and stamp manufacturing processes, the other a complete type range of the stamps of New Zealand and dependencies.

Several profitable field trips were made possible through the generosity of friends in providing transport and other facilities. In September, following a series of gales, opportunity was taken to search beaches from Orewa to Pakiri, and again in October Whangaroa Heads and Spirits Bay were visited.

Mr. A. K. Hipkins, who provided transport also arranged for the use of a launch at Whangaroa and this was made available free of charge by Mr. A. Rudge. With the aid of this vessel,

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extensive dredging was done off Whangaroa entrance, resulting in the discovery of several species of mollusca new to science.

February this year was almost entirely taken up with organized collecting trips largely for the benefit of Miss Virginia Orr, visiting conchologist on the staff of the Academy of Natural Sciences of Philadelphia. The areas visited were Northland to Cape Maria van Diemen and Spirits Bay, Nelson, West Nelson, Levin and the Tararua Range, Islands of the Hauraki Gulf, Leigh, Woodcocks and Muriwai Beach.

Our Museum has benefited greatly from many representative collections of Indo-Pacific Mollusca forwarded by the Academy at regular intervals over the past few years. It was a pleasure therefore to do something in return.

Fourteen outside lectures were given, including one in the Museum Sunday afternoon series, "Shellfish of Antarctic and Subantarctic Seas", one to the Wellesley Philatelic Society on "The Postage Stamps of the U.S.A.", and two for second year students at the Zoology Department, Auckland University, the subjects being "New Zealand Marine Biogeographic Provinces" and "Speciation in New Zealand Land Shells". The remainder were on specialized molluscan topics, given as a series at the monthly meetings of the Conchology Section.

An extensive display of mollusca and paleontological material (with commentary) was arranged for the inspection of the new museum premises on "Local Body Evening", October 5th last. Nature articles for the magazine section of the "Auckland Star" have been contributed at regular intervals and a series of natural history articles were written and have appeared in the "New Zealand Junior Encyclopaedia".

Accessions include four lots of Indo-Pacific molluscan material from the Academy of Natural Sciences of Philadelphia, a considerable amount of deep water mollusca and echinoderms from Mr. John Graham of Oamaru, dredged material, French Pass area, from Mr. H. Tibble, and a very interesting specialized collection of mollusca mostly from Takou Bay, Northland, purchased from Mr. C. H. Robinson.

A considerable amount of time has been taken up with several projects, including the compilation of Standing Committee Reports for the Tenth Pacific Science Congress in August at Honolulu.

Over the past twelve months, there was little time available for research, but a paper on New Zealand Molluscan Systematics is nearing completion.

A. W. B. POWELL.

Ethnologist

Some 504 specimens were added to the collections during the year. Among the material of special interest were the following:— a small collection of Alaskan ethnographical specimens presented by Mrs. L. E. Elliot; a greenstone adze from Mr. F. C. Carr; a large hide shield from Kenya, the gift of Mrs. R. H. Caughey; a fine Maori wooden bowl from Mrs. I. G. Liggins, and a small collection of greenstone specimens, including two greenstone *hei tiki* and a scraper bequeathed by the late Mr. S. J. W. Harker.

The major task of the year has been the movement of the reserve collections from temporary quarters in the New Zealand Bird Hall and from two other temporary store-rooms on the ground floor. Approximately one half of the collections are now assembled in the new wing, filling some eighty panels. This material consists of all the Maori, Polynesian and a section of the Melanesian collections. To clear the other half of the collections a move was made to an empty hall pending the sorting of the collections.

As a result of the move to the new wing, the collections affected are now stored in standard cases, which make the material readily accessible, a position which has not been possible for very many years.

Ten lectures have been delivered during the year. In addition, the Auckland Historical Society and the Franklin Historical Society were shown through the Maori Court at week-ends. A paper on "Museums as repositories of archaeological materials" was delivered at the New Zealand Science Congress held in Wellington and a paper on "Tax free gifts" was offered at the Annual Conference of A.G.M.A.N.Z. Reviews of anthropological subjects were published in the New Zealand Geographer and the Journal of the Polynesian Society and six articles on Maori and Oceanic topics contributed for a special feature in the "Auckland Star". Talks were given to students from the Auckland Occupational Therapy School, and senior students were also assisted with special studies. At the request of the Education Department, assistance was given at a Social Studies in-service training course for teachers. Girl Guides were examined for the Maori, Woodman's and Naturalist Badges.

Throughout the year I have continued to serve on the Councils of the Art Galleries and Museums Association, the New Zealand Archaeological Association as a Member of the National Historic Places Trust and on the committee of the Linguistic Society of New Zealand.

A large quantity of material has been lent to a wide variety of educational and cultural groups, including Women's Institutes, the Gisborne Museum, Ardmore College and a small collection of pottery for a special display in the Auckland Art Gallery.

Commander Haynes has continued with the registration of all new accessions, has given much time, energy and planning to the movement of material to the new wing, besides carrying out a host of minor duties. Mrs. N. Warneford has given honorary service, one day a week, for most of the year, checking the Museum location of material in the new storage cases.

V. F. FISHER.

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Botanist

I am most grateful for the voluntary assistance of members of the Institute during the year. In April and May 1960 Mrs. J. Bell identified a number of the Banks and Solander plates and began an index of Solander's manuscript. She also revised the Cheeseman Show competitions for children, before leaving to take a teaching post.

Mrs. P. Hynes continued her weekly visits to the herbarium to add to our weed, garden and native plant records. She has selected dried specimens of every native species in the herbarium for a chemical survey of the flora, undertaken by Dr. R. C. Cambie of the University of Auckland. During January 1961, Mrs. Hynes visited the Cobb Valley and increased our collections from the Nelson district.

In September 1960 the following members organized sections of the Cheeseman Show: Mrs. K. Wood (flower arrangements), Mr. A. Farnell and Miss J. Dingley (trees and shrubs), Miss M. Crookes (ferns), Professor V. J. Chapman (seaweeds) and Mr. T. J. Bayliss (children's competitions).

Other members helped kindred societies to set up exhibits and gave most generously to provide a fund for prizes for the children's competitions. Messrs. A. R. Hughes and G. J. D. Moon presented two natural history books for the best individual entries.

Thanks are due to the following societies for taking part in the Show: the Auckland Botanical Society, Auckland branch of the Forest and Bird Protection Society, Auckland Natural History Club, Tree Society, Lyceum Club, Titirangi Beautifying Society, Catholic Women's League and Auckland Maori Women's Welfare League.

Also mention must be made of the flower arrangements provided by Mr. John Otto, Manurewa, Mesdames O. Barr, B.

Brookes, V. Eason, T. E. Eyre, D. Mays, J. Prickett and Miss J. Robertson and Z. Dixon.

Thanks are also due to the following departments, societies and individuals who sent material for the show: Southland Museum; Botany Department of the University of Otago; Botanic Gardens, Christchurch and Wellington; Botanical Society, Wellington; Levin Native Flora Club; Messrs Duncan and Davies Ltd., New Plymouth; Chief Ranger, Tongariro National Park; Dr. P. Allingham, Gisborne; Mr. E. S. West, Taupo; Mr. M. C. Gudex, Hamilton; Miss M. Maddren and Mrs. K. Reynolds, Whangarei; Mrs. Nielsen, Te Pahi and the Parks Department, Auckland City Council.

During December and January a small display of conifers and other plants was set up to show the variety of plants used in different parts of the world for Christmas trees and Christmas decorations.

In February 1961, an exhibition of native medicinal plants was arranged for the 129th Annual Meeting of the British Medical Association. I am indebted to Dr. R. C. Cambie, University of Auckland, Dr. B. F. Cain, Research Unit, Auckland Division, British Empire Cancer Campaign Society and Mr. S. G. Brooker for assistance in preparing the exhibits.

Other activities during the year included participation in a broadcast and film on the work of the Research Unit of the Cancer Campaign Society, the identification for the Police pathologist, Dr. F. J. Cairns, of plant material from a human leg, and the preparation of brief articles for the "Auckland Star", "Farming World" and "Economic Botany" (with Mr. S. G. Brooker).

Donations during the year included photostat copies of letters from Thomas Kirk to Sir Joseph Hooker (presented by the N.Z. Forest Service), fossil timber (from Mr. R. Gilmour, Engineer, Metropolitan Drainage Board), dried specimens of willow hybrids (Mr. R. Berry, Tiniroto), Norfolk Island plants (Mr. R. Lediard, Auckland), and Journals of the Royal N.Z. Institute of Horticulture and Royal Horticultural Society (Mr. M. Hynes).

I am most grateful to the anonymous donor of £50 for the plant drier. This was completed in August 1960 and has saved time and effort in drying plants for the collection.

ROBERT COOPER.

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Librarian

During this year, the first in the new building, record use has been made of the library. Not only has it been used more

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extensively by members, but there has been a considerable increase in the number of enquiries for information from non-members and from other institutions. Most of these enquiries are for photographs, or for information from the New Zealand section. Borrowings by members have numbered 4163, by other libraries 300, and 2822 people have used the library for borrowing or for reference.

We regret that some inconvenience has been experienced through delay in delivery of reading desks, and that it has been necessary to make use of trestle tables. Handsome new desks have, however, recently arrived and enhance the appearance of the New Zealand room.

With the greatly increased use of the library, particularly of the New Zealand collection, some concern has been felt at the considerable wear and tear on books, many of which are rare and out of print. The library is fortunate in possessing two or more copies of most of the important works, and these extra copies have now been withdrawn and put in a separate collection to be used for reference only. This reserve collection contains about 500 volumes.

In June, the hours of the library were extended to include Saturday morning. This appears to have been a welcome move, 317 people having taken advantage of it. The library has also been opened on most of the lecture nights.

1000 books have been added to the library, these being acquired by purchase or donation. We regret that we cannot do more than mention by name the many people who have made donations to the library of books, photographs, maps and paintings, but we do appreciate the generosity of many of our members and others who have helped to enrich the library's stock. However, there are a few items which we would like to mention. From the Marine Department we have received the records of five light-houses (Cape Brett, Cape Reinga, Tiri Tiri, Moko Hinau, Cuvier Island). From Mr. R. G. Milligan on behalf of the Waihi Gold Mining Co., the collection of plans of the mine, which includes plans of all levels, reef plans, etc.—in all about 140 plans. These in conjunction with the reports and records presented earlier, give a complete history of the mine. We are also most grateful to Mr. Milligan for devoting much time to sorting and listing the plans, work which could be done only by someone with his specialized knowledge. From Mrs. O. T. Williams we have received some early water colours of the Bay of Islands, and from Mrs. H. G. Burnett, pencil drawings of the Bay of Islands. A sketch book of the early missionary, Richard Taylor, has been given by Miss M.

McFarland. This is a most important acquisition, including as it does drawings of various parts of New Zealand before 1840. From Mr. N. R. W. Thomas, we have received some of the papers of his late father Sir Algernon Thomas. The Onehunga Borough Council presented a collection of drainage plans of Onehunga, and the American Legion in Indianapolis presented about 100 pamphlets mostly relating to World War I.

In July, an exhibition of material relating to Samuel Marsden was lent by courtesy of the Alexander Turnbull Library. This was displayed in one of the exhibition halls.

Once again I wish to thank those who have given so generously of their time. Miss Jeanne Goulding has for the past year given 10 hours a week to the mounting of the library's collection of bookplates, and to various other tasks. She has been responsible for two displays, one of bookplates, and one of maps, and I wish to place on record my deep appreciation of the service she has rendered to the library. Then there is Mr. Gordon Williams, who has for the past three years been a very good friend to the library, and during this last year has continued the most important work of making typescripts of unpublished manuscripts. Many of our manuscripts have now been copied, and this is a tremendous aid to those using them for research, as well as saving undue handling of material which is old and possibly frail. To him once again I wish to express my thanks. And my thanks go also to Mr. S. G. Brooker who has assisted us in various ways.

Early this year "Reminiscences by Mrs. S. H. Selwyn" was cyclostyled, and 200 copies run off. Considerable interest was shown in this, and most of the copies have now been sold.

In addition to the donors mentioned above, we acknowledge with thanks donations from the following persons:—Countess of Orford, Lady Robertson, Colonel T. Durrant, Lieut.-Col. G. N. Molesworth, Capt. G. A. Blackwell, Dr. Armstrong, Dr. J. F. Cairns, Dr. W. J. Cameron, Dr. K. J. Hollyman, Dr. R. M. S. Taylor, Messrs R. Abbey, A. M. Alexander, J. W. Alexandre, H. E. Baigent, C. Barton, Bethell, H. D. Buddle, A. Cates, J. Claude-Barson, V. C. Cooper, Dawkins, C. W. Devonshire, A. D. Dignan, W. A. Fairclough, M. E. Fitzgerald, G. M. Fowlds, A. Gilbert, N. H. Good, W. H. Gummer, J. W. Hadfield, W. Hamlin, G. Hartshorn, H. A. Hicks, E. R. Hood, L. Hughes, H. G. King, H. J. Lavers, J. R. Lee, A. D. Mead, F. R. Melgrew, T. W. Mellor, G. G. M. Mitchell, W. Nicol, C. J. Parr, A. T. Pycroft, H. M. Rodewald, K. Ross, A. J. Sheat, F. Simpson, A. W. Sinclair, T. Stein, E. T. Stevenson, A. Sutherland, C. W. Vennell, Mesdames D. Allhusen, M. C. L. Banks, J. H. P. Bond,

E. H. Boulton, Dunlop, L. E. Elliot, M. Hoare, P. Hynes, D. M. King, W. Macdonald, E. M. Macnicol, A. R. S. Richardson, R. M. Ross, Misses Davies, G. H. Dennison, B. M. James, J. M. Marshall, M. B. H. Morison, G. Reeves, Spencer, M. Totich, D. P. Wilkins, K. Williamson, T. Wilson, Wiseman.

ENID A. EVANS.

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Extension Service

The Extension Service is expanding and departmental heads can take warning of increasing demands on their time and collections. This increase will be in quality as well as quantity.

The main reason for most of this is the long-awaited acquisition by the Museum of its own van, specially designed for the country service and also available for field work. It can hold five displays in firm racks and has cupboards on each side. In these cupboards we can carry materials packed fragile and assemble the displays at the destination. This points to the use of material of better quality that could not be anchored to a display board, nor transported so attached. The cab is relatively draught proof and comfortable.

The displays in provincial towns have increased by fifty per cent during the last year, 20 to 30. Every three months the van sets out on a circuit over the following routes, Thames, Opotiki, Rotorua, Taupo, Taumarunui, Cambridge, Tokoroa, Auckland, Whangarei, Kaitaia, Dargaville, Auckland. This takes approximately two weeks during which time 30 displays are changed. This is apart from visits to districts which have not as yet taken advantage of the scheme.

The van has a map of the province on the side as well as AUCKLAND WAR MEMORIAL MUSEUM COUNTRY SERVICE. It attracts attention due to its height (6 ft. head room) and is a constant ambassador for the Museum throughout the province. (The large lettering also precludes its being parked overlong outside hostelrys and likely fishing spots!) The provision of new displays must be accelerated and Mrs. Brookes has continued to do very fine art work for each one. The interest and appreciation the displays arouse reflect much credit upon her work.

The information desk continues to be of benefit to the public and the sales of museum publications and transparencies goes a long way to pay for this service. This service is by no means yet fully developed.

Tourists have continued to come in organized groups to the Museum and these have been given guided tours, mainly of the Maori Court. Mr. Allan Kirk, who assisted with this work, has now gone overseas and we need someone to replace him.

Several exhibitions have been staged and Mrs. Brookes and I have co-operated with the department or body concerned.

Sunday afternoon lectures were resumed in full after the building operations, and seven lectures were given. Attendances were not as high as in previous years, probably due to the break of several years in the series. Difficulties were also met in the staging of these during the times the Museum was open owing to the lecture room being open on one side to the Museum. A temporary lecture hall was opened in the new building and after acoustic problems were partly solved, the lectures were held there.

T. J. BAYLISS.

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Planetarium Lecturer

Attendances during the year totalled 62,470. This included 9175 children in school classes, while about one-third of those attending public sessions were also children. Attendances on school and public holidays were particularly high, sessions on 13 public holidays totalling 4326, utilising the planetarium to 72% of its capacity.

The year has marked the consolidation of school support. During the year visits were made by headmasters of all types of schools, public and private, and also by science teachers, teachers on special courses, and student teachers. The valuable assistance of Mr. C. C. Roberts, of the Education Department, and Mr. R. A. Scobie, Education Officer at the Museum, in the arranging of these visits is gratefully acknowledged.

School sessions have been graduated so that children attending in subsequent years in higher forms will receive lectures of more advanced grade.

School parties from places as remote as Kaitaia and Hawkes Bay have visited the planetarium. The average attendance of children in 167 sessions during 1960 was 53.

Night lectures for groups and clubs proved popular, a total of 937 attending. These lectures normally continue for an hour, followed by questions for half an hour. Where possible a lecture is presented to suit the interests of the visiting body, e.g. astrophotography for a camera club, satellite paths for the Very High Frequency group.

R. A. McINTOSH.

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School Service

Summary of Services for the year ended 31st December 1960:
Attendances for one hour lessons:

| | | | | Highest Totals |
|----------------------------------|--------------|--------------|--------|----------------|
| Primary | Intermediate | Post-Primary | Total | Prior to 1960 |
| 31,903 | 5,023 | 4,308 | 41,234 | 38,058 |
| Student Teachers on Section | .. | .. | 114 | 138 |
| Number in Visiting | Student | .. | .. | .. |
| Teacher Classes | .. | .. | 1,049 | 550 |
| Schools receiving Loan Material: | | | | |
| | City | Provincial | | |
| | 75 | 346 | 421 | 390 |

Planetarium:

This department provided the organization for school visits involving some 8500 children.

The opening of the new shrine and additional galleries, together with the restoration of access to display halls temporarily closed for storage, has had the effect almost of a re-opening. Moreover, the Harbour Bridge now makes the Museum readily accessible to many schools north of the Waitemata. These factors, and the continued rate of growth of school population, as well as the connections with the schools maintained during nearly four years of building are reflected in a record year. Its magnitude is best gauge~~d~~ by comparison with the previous records.

These figures represent more the demand existing immediately before building operations began and therefore are reliable signs of the requirements of the schools. The intermediate school attendances increased five-fold; the post-primary attendances included a record proportion of pupils from Forms V and VI, many of whom made long trips to be present; attendances of classes taught by their own teachers were over 4600, a figure surpassing the pre-construction norm of ten per cent. The great expansion in the school population, independent of the increased appreciation of teachers for museum learning, ensures that more classes wish to attend. This can be accomplished primarily by having available more topics, and of a wide range, to spread the pupils through the building. The greatest potential field lies in the post-primary schools.

The Auckland Teachers' College has strongly supported this department with students for teaching practice. All these activities have been conducted within the restricted range of the existing accommodation and equipment, and with limited facilities for the student teachers.

Attendances of student-teachers using Museum facilities expressly for study purposes are a record, and represent an increase of 100% over previous numbers. Apart from his sharing in their instruction, the placing of students within the time schedules into the appropriate halls alone makes real demands on the Education Officer. This problem increases with the number of Training Colleges: Auckland holds three, two Auckland Education Board and one independent, as well as a Kindergarten Training Centre. A fifth, Hamilton Teachers' College, has already made an introductory visit. No other museum serves so many.

The number of schools receiving loan material has risen from 390 to 421. This is about two-thirds of the schools in the Auckland and South Auckland Education Boards' districts, or nearly three-fifths when the Maori Schools are included. Most of the schools not in this system are in remote districts, or regions where transport presents difficulties. Yet these are the schools which can derive most benefit from the scheme, and for which it was originally planned. The ultimate goal is a system whereby the teachers can select the displays they need instead of having to accept the material allotted to them.

I have joined with Mr. C. C. Roberts, Officer for Science Education, and Mr. McIntosh in promoting full and effective use of the planetarium by teachers for their lessons in astronomy. Special sessions arranged to acquaint head teachers of primary, intermediate and post-primary schools of Greater Auckland with this new teaching aid revealed, both by the full attendances and in the discussions, an enthusiastic appreciation of its possibilities. Sessions were also arranged for science teachers and students from Ardmore and Auckland Teachers' Colleges. The aim is to provide the necessary organization for encouraging the fullest use of the planetarium by the schools.

Other activities have involved co-operation in developing the new scheme of social studies for primary schools and in writing an "end article" on museum education for the syllabus, organizing classes to a special exhibition on wool, dyeing and weaving, assisting in the children's section of the Cheeseman Memorial Show of Native Plants, and in supplying the Children's Book Fair with displays. Much time has been spent in showing the new set-up to school inspectors, educational administrators, lecturers, teachers and students.

Members of the department are now installed in their permanent offices, which has resulted in a much improved organization. That so much should be accomplished in the change-over year rebounds to their credit, and also to the willingness and

co-operation of the students on section. It is a matter of pride and credit to all associated with this service that during the building operations this department kept running effectively.

RICHARD A. SCOBIE.

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Entomology

The writer has been in charge of the department since October 1960, during which period Mr. K. A. J. Wise has been collecting and studying insects in Antarctica. University study has prevented the writer from undertaking much other than strictly routine work. During the thesis research, however, the museum's large collection of *Cilibe* (Coleptera) was identified, and a number of types of new species and subspecies of this genus are now included in the collection.

The first two sections of a display of common New Zealand insects have been completed, and these should prove valuable for educational purposes. The groups of higher insects, e.g. beetles and flies, have yet to be covered, but these will be completed shortly.

Many insects and other arthropods, some of considerable interest, have been received, for identification, and these have been included in the research collections and the relevant enquiries answered. A preliminary sorting of the arthropods preserved in spirit has now almost been completed. Donations of all insects, spiders, etc., to the Museum during the year are acknowledged with thanks.

Thanks are due both to Dr. R. C. Harrison for sorting and arranging the whole of the fly (*Diptera*) collections and to twelve members of the Auckland Section of the Entomological Society of New Zealand who provided a working party to renovate and classify the collections preserved in alcohol.

J. C. WATT.

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 **Auckland Citizens:** £2,026 subscribed towards first building.
1878 **Mr. J. C. Firth** donated £106 for show cases.
1884 **Mr. Edw. Costley** bequeathed £12,150.
1887 **Mr. David Nathan** bequeathed £100.
1897 **Mr. T. Russell** donated £100 for geological specimens.
1901 **Auckland Citizens** subscribed £1,000 for Mair Collection.
1902 **Mr. E. A. Mackechnie** bequeathed £2,500.
1906 **Auckland Citizens** subscribed £662 for carved houses.
1911 **Auckland Citizens** subscribed £684 for ancient carvings.
1913 **Sir John Logan Campbell** bequeathed £1,000.
1921 **Institute Members** subscribed £115 for Temple Bronzes.
1923 **Sir Wm. H. Herries** bequeathed £1,000.
1924 **Citizens** subscribed £698 for Maori collections.
1925 **Institute Members** subscribed £100 for Maori collection.
1926 **Sir James Gunson Presentation Committee** presented £118 for Maori collection. **Mr. David Goldie** bequeathed £1,000.
1927 **Mr. F. Shaw** bequeathed £1,000.
1929 **Mr. S. J. Ambury** bequeathed £250.
1934 **Mrs. R. M. Wilson:** £50/10/-, given to establish the Sir Edwin Mitchelson Prize Fund.
1940 **Mr. Maurice Harding** bequeathed £500.
1941 **Mr. Ormsby Gore Adams** bequeathed £100.
1942 **Mr. J. A. Pond** bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman.
1944 **Mr. E. Earle Vaile** gave two blocks of shops and residences worth £10,000 as an endowment for ethnological collections and books.
Mr. R. C. Horton gave £200 towards extending the mineral collection.
Sir Albert and Lady Ellis gave £150 for Library book-cases.
£428 received on account of a bequest by **Mr. C. V. Houghton.**
Mitchelson Prize Fund increased to £100.

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- 1945 Mrs. Bertha Wilson gave £2,000 as an endowment for Cinematography.
Auckland Savings Bank gave £500 for improvements to Exhibition Halls.
Auckland Electric Power Board gave £100.
Mr. R. C. Horton gave £70 for purchase of Georgian Silver Tea Set.
Sir Cecil Leys and Lieutenant T. H. Leys, R.N.Z.N., gave £500 for purchase of ethnographical specimens.
- 1946 Mr. E. Earle Vaile: Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.
- 1947 Auckland Savings Bank Centennial Gift of £5,000.
Mr. A. V. Hanson bequest of approximately £2,000.
- 1948 Mr. E. P. Mitchelson, bequest of £1,000.
- 1950 Mrs. Sarah Ann Powley, bequest of £171.
Sir Cecil Leys bequeathed £1,000.
- 1951 Mrs. Bertha Wilson gave £1,000 endowment for photography.
- 1952 Mr. James C. Entrican: Bequest of £1,000 for numismatics.
- 1954 Captain G. A. Humphreys-Davies: Bequest of £500.
Sir Albert Ellis, C.M.G.: Bequest of £100.
- 1956 Sir Alexander Johnstone, O.B.E., Q.C.: Bequest of £500.
Sir William Goodfellow: £100 for early English ceramics.
Sir Carrick Robertson, F.R.C.S.: Endowment of £600 for research on offshore islands.
- 1960 Auckland Savings Bank gave £500 to furnish the Cheeseman Herbarium.
A Member gave £75 towards furnishing the Herbarium.
Mr. W. B. Dixon Stroud gave £142 towards equipping and furnishing the Marine Zoology store and study rooms.
£1000 received from an Institute Member to extend popular science publications.
- 1961 Sir William Goodfellow: £250 towards purchase of van; £150 for purchase of porcelain.
Mr. L. J. Ayre: bequeathed £852.
Auckland Savings Bank gave £600 for equipping the children's hobbies room.
Mr. H. J. Atkinson: bequeathed £685.
Dr. J. A. Clinch: bequeathed £500.
Anonymous: £500 for the memorial halls.
Miss E. L. Hellaby: £100 for the memorial halls.
Institute Member: £200 for exhibition halls.
Sir James Fletcher and colleague firms: Materials for equipping hobbies' room and staff room.

SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection.
1887 Mr. C. O. Davis: Valuable Maori collection.
1901 Mr. L. D. Nathan: Japanese Shinto Shrine.

- 1913 Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. Hon. Sir Edwin Mitchelson: Valuable Kauri Gum collection.
- 1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
- 1916 Mr. Henry Shaw: Collection of Japanese art.
- 1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
- 1919 The Misses Yates: Collection of Indian weapons.
- 1920 Mr. James Dunning: Collection of North American Mammals.
- 1921 Mr. W. A. Aldred: Valuable collection of Maori specimens. Hon. J. B. Turner: Important Fijian ethnographical collection.
- 1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
- 1924 Mr. Wm. Sutherland: Melanesian ethnographical collection. Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
- Mr. R. A. Meek: Ethnographical specimens from Bismarck Group. Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles. Sir Cecil Leys and Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.
- 1926 Mr. Geo. F. Webster: Valuable Maori antiquities. Mr. H. R. Butcher: Collection of British coins. Mrs. E. M. Ball: The Thos. Ball Zoological collection. Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens. Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
- 1927 Mr. F. Crossley Mappin: Valuable Maori carvings. Mr. Moss Davis: Valuable ethnographical specimens.
- 1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly carved feather box. Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea. Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian. Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
- Mrs. S. J. Lushington: Large collection of mollusca.
- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts. Mr. W. R. McGregor: New Ireland carved memorial figures. Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca. Rev. W. H. Webster: Large collection of mollusca. Mr. C. E. Clarke: Large collection of N.Z. Insects. Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts. Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.

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- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities: additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- Lt.-Colonel A. R. Hughes: Collections of birds and mollusca from Ceylon.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
- Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including handsomely carved sternpost.
- The Admiralty: Model of H.M.S. New Zealand.
- 1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts. The Estate of the late H. E. Vaile: Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.
- 1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.
- 1939 Mr. E. Earle Vaile: Maori carvings, large Melanesian collection and gifts to the Library. Mr. J. R. le B. Tomlin: Gift of early Worcester china and early works on natural history. Mr. W. Goodfellow: Large Melanesian collection.
- 1941 Mr. H. R. Jenkins: Historic anchor associated with the ill-fated H.M.S. Bounty. Mrs. T. G. Russell: 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
- Mr. Ormsby Gore Adams bequeathed cinema camera, photographic equipment and nature films.
- 1942 Mrs. A. A. Richardson: The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.
- Col. the Hon. F. Waite, D.S.O., M.L.C.: Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.

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- 1943 **Captain G. A. Humphreys-Davies:** His extensive and valuable collection of Chinese arts. **Mr. E. Earle Vaile:** Large collection of books and pamphlets on exploration and early life in the South Pacific. **Mrs. W. H. Hemingway:** The late Mr. Hemingway's display and cabinet collections of insects. **Colonel the Hon. F. Waite, D.S.O., M.L.C.:** Further collections from Egyptian Pre-dynastic, Dynastic and Ptolemaic periods.
- 1944 **Mrs. B. Quigley and Miss E. Kenderdine:** Large number of books on early New Zealand history. **Mr. E. Earle Vaile:** Collection of works on South Pacific exploration and New Zealand history. **Captain G. A. Humphreys-Davies:** Ancient Chinese bronze sculpture. **Mr. J. C. Entrican:** Large collection of Eastern Polynesian stone implements.
- 1945 **Mr. W. G. White:** A valuable very representative collection of Worcester and Chelsea China. **Mr. E. Earle Vaile:** Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1947 **Lady Leys Fund, Sir James Gunson Fund, and E. Earle Vaile Fund:** Collection of 60 greenstone hei tiki and greenstone adzes purchased in England.
- Mr. Jas. C. Entrican:** Gave his extensive collection of medals and coins and library of books on Numismatics.
- Mr. Geo. Finn:** Presented a collection of books and newspaper records, reports and illustrations collected over a number of years.
- Lieutenant A. G. Carnahan, R.N.R.:** Presented Viscount Jellicoe's racing 14-footer "Iron Duke."
- 1948 **Sir Frank Mappin:** 16mm Cine-sound projector.
- 1949 **Mr. and Mrs. J. Yock:** Old English sterling silver salver.
- 1950 **Mrs. J. P. Campbell:** Eighteenth century inlaid sideboard.
Mr. Wm. Goodfellow: Delft vase and other early ceramics.
Mr. V. J. Larner: Early china and delft vase.
- 1951 **Mrs. Goldie:** Twenty portraits of Maoris by the late Mr. C. F. Goldie.
- Rev. Harry Johnson:** Extensive collection of native arts and crafts from Tanganyika.
- Rev. Charles Palmer:** Melanesian ethnographical collection; mementoes of Bishop Selwyn and early New Zealand books.
- Mr. W. J. Crowther:** Selected examples of English porcelain and eighteenth century silver plate.
- 1952 **Mr. E. Earle Vaile:** Selected early works on discovery and exploration in the Pacific.
- Sir Frank Mappin:** Eighteenth century silver and Sheffield plate.
- New Zealand Insurance Company:** Suite of large cabinets and library furniture.
- Mr. William Goodfellow:** Three Maori portraits by Lindauer.
- Sir Carrick Robertson:** Collection of Zulu ornaments.
- Lieut.-Commander J. F. A. O'Neill, D.S.C.:** Ethnographical collection from Tikopia.
- Miss W. S. Dudley and Miss Jean Robertson:** Pencil and wash drawings of early New Zealand, by Major Charles Heaphy.

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- 1954 Mrs. Robert Cooper: Collection of botanical books and book-cases.
Sir Frank Mappin: William and Mary walnut cabinet and early seventeenth century chairs.
Mrs. P. Sklenars: Model of four-masted barque "Pamir" made by her father, Mr. W. S. Nelson.
- 1955 Dr. J. A. Clinch: English silver and Sheffield plate.
Sir Ernest and Lady Davis: Portrait of Sir Edmund Hillary, K.B.E.
Mrs. A. M. Ferguson, O.B.E.: Maori and Oceanic ethnographical collection.
Mr. C. Roose: Set of 2000 charts of the Pacific.
Mr. G. J. H. Ovenden: Full set of publications of Palestine Exploration Fund.
- 1956 Miss E. Blumhardt: Large set of her paintings of native flowers.
The Misses C. M. and I. F. Stewart: Collection of Maori greenstone ornaments and weapons.
Sir Ernest Davis: Portrait of H.M. the Queen.
Mr. John Pybus: Five moa skeletons from Waitomo district.
- 1958 Rev. Canon Hubert Jones: Sets of English West-County history.
- 1959 Mrs. R. Rose: English Sheraton Cabinet and Japanese lacquer and inlay cabinet.
Dr. Marjorie Young: Collection of ethnographical specimens from New Guinea highlands.
Sir Frank Mappin: English eighteenth century mahogany bureau-secretaire.
- 1960 Farmers Trading Company's Jubilee gift of a Spitz Planetarium with full range of accessories, the planetarium building and furnishings.
Sir Ernest Davis: Portrait of Lord Freyberg.
Sir Frank Mappin: Two oil paintings for council room and exhibition hall.
Mr. L. J. Ayre: Extensive philatelic collection and a monetary bequest.
Miss Lina V. Bruce: 18th century north country spinning wheel.
- 1961 Mr. Leo White: Series of coloured wall display photographs of Auckland.
Auckland Citizen: Portrait of His Excellency the Governor-General.
Northern Steamship Company: Builder's models of "Wakatere" and "Manaia".
Union Steamship Company: Builder's model of "Ormonde".

INCOME AND EXPENDITURE ACCOUNT
For the Year Ended 31st March, 1961

| EXPENDITURE | | | INCOME | | |
|--|---------|------|---------------------------------------|---------|-------------|
| | £ | s d | | £ | s d |
| Salaries and Wages | 19,139 | 4 0 | Contributions from Local Authorities— | | |
| Superannuation | 1,626 | 2 8 | Metropolitan | 22,443 | 0 0 |
| Insurance | 142 | 7 5 | Provincial | 884 | 18 3 |
| Repairs and Maintenance— | | | | | 23,327 18 3 |
| Building | 194 | 7 8 | Subscriptions— | | |
| Showcases and Furniture | 36 | 11 5 | Ordinary | 1,754 | 11 0 |
| Equipment and General | 24 | 2 1 | Life Members | 162 | 15 0 |
| Institute Expenses | 598 | 8 9 | | | 1,917 6 0 |
| Photography and Education | 83 | 16 3 | Interest on General Purpose Trust | | |
| Subscriptions Written Off | 106 | 14 6 | and Reserve Investments | | 1,082 10 7 |
| Planetarium | 61 | 7 1 | Sale of Transactions | | 97 4 6 |
| Extension Service | 159 | 13 9 | Sale of Publications | | 331 8 2 |
| General Administration Expenses | 183 | 9 3 | Rent and Interest (Receiver of Land | | |
| Heating and Lighting | 407 | 2 4 | Revenue) | | 13 13 6 |
| Postages and Telephones | 508 | 3 2 | Donations— | | |
| Travelling | 301 | 9 8 | Contribution Boxes | | 446 2 9 |
| Printing and Stationery | 730 | 2 3 | Special | | 230 10 3 |
| Audit and Accountancy Fees | 88 | 13 0 | Guide Fees | | 55 2 6 |
| Cleaning | 92 | 13 5 | Miscellaneous | | 71 15 3 |
| Freight and Cartage | 45 | 17 9 | | | |
| Sundry Expenses | 49 | 1 5 | | | |
| Unauthorised Expenditure— | | | | | |
| Entertainment, etc | 50 | 2 8 | | | |
| Balance transferred to Appropriation Account | 2,944 | 1 3 | | | |
| | £27,573 | 11 9 | | £27,573 | 11 9 |

APPROPRIATION ACCOUNT
For the Year Ended 31st March, 1961

| | £ | s d | | £ | s d |
|--|---------|-------|---|---------|------------|
| Capital Expenditure from Revenue | 2,007 | 15 2 | Balance from Income and Expenditure Account | 2,944 | 1 3 |
| Capital Expenditure from Reserves | 7,673 | 17 11 | Profit on Sale of Investments | | 82 18 8 |
| Life Members' Subscription Reserve | 162 | 15 0 | Profit on Sale of Properties | | 26 8 3 |
| Building Maintenance Reserve | 805 | 12 4 | Transfer from Car Purchase Reserve | | 1,374 14 2 |
| Motor Vehicle Depreciation | 138 | 10 0 | Transfer from Auckland Savings Bank | | 3,500 0 0 |
| Valle Obsolescence Fund | 26 | 8 3 | Transfer from Speechmen Purchase | | 400 0 0 |
| | | | Transfer from Showcases | | 2,399 3 9 |
| | | | Balance 31/3/61 | | 87 12 7 |
| | £10,814 | 18 8 | | £10,814 | 18 8 |

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| | | | | | | |
|-----------------------------|-------|-------|-------|--------|------------|-----|
| E. E. Vaile Bequest— | | | | | | |
| Properties | | | | 25,419 | 4 | 0 |
| Shares | | | | 2,056 | 5 | 0 |
| Effects | | | | 42 | 15 | 0 |
| | | | | | | |
| | | | | | 27,518 | 4 0 |
| Cash— | | | | | | |
| Auckland Savings Bank | ..... | ..... | ..... | 2,737 | 5 | 3 |
| Bank of N.Z., Newmarket | ..... | ..... | ..... | 1,794 | 9 | 10 |
| Bank of N.Z., London | ..... | ..... | ..... | 74 | 8 | 5 |
| Change and Advances | ..... | ..... | ..... | 59 | 0 | 0 |
| | | | | | 4,665 | 3 6 |
| Debtors— | | | | | | |
| Members' Subscriptions | ..... | ..... | ..... | 167 | 13 | 0 |
| Publications | ..... | ..... | ..... | 390 | 2 | 7 |
| School Service | ..... | ..... | ..... | 55 | 7 | 10 |
| | | | | | 613 | 3 5 |
| Stocks— | | | | | | |
| Books and Publications | ..... | ..... | ..... |  | 2,859 | 4 3 |
| | | | | | | |
| | | | | | £1,073,823 | 19 |

GILBERT ARCHEY,
Treasurer.

EDWARD EARLE VAILE ENDOWMENT AND BEQUEST ACCOUNT
(a summary of this account is included in the Capital Endowments)

| | £ | s | d | | £ | s | d | £ | s | d | | |
|-------------------------------|--------|----|---|---------------------------|-------|----|---|-----------------------|--------|---|----|----|
| Capital Expenditure— | | | | Rents Received | | | | Less Expenses— | | | | |
| Ethnological Specimens | 1,078 | 4 | 2 | Commission | 264 | 12 | 6 | | | | | |
| Library | 1,837 | 11 | 8 | Insurance | 218 | 16 | 9 | | | | | |
| Transfer to Obsolescence Fund | 200 | 0 | 0 | Repairs and Maintenance | 3,943 | 2 | 4 | | | | | |
| Unexpended Balance 31/3/61 | 2,053 | 13 | 6 | Rates | 688 | 12 | 4 | | | | | |
| | | | | Architect's Fees | 74 | 14 | 6 | | | | | |
| | | | | | | | | 5,189 | 19 | 5 | | |
| | | | | Nett Rents | | | | | 603 | 8 | 2 | |
| | | | | Sales of Books | | | | | | 4 | 8 | 10 |
| | | | | Interest | | | | | 357 | 3 | 6 | |
| | | | | Dividend | | | | | 121 | 5 | 0 | |
| | | | | Unexpended Balance 1/4/60 | | | | | 4,073 | 3 | 10 | |
| | £5,169 | 9 | 4 | | | | | | £5,169 | 9 | 4 | |

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STATEMENT OF CAPITAL ENDOWMENTS AND SPECIFIC AND GENERAL TRUSTS AND RESERVES

| DESCRIPTION | Capital Balance 1/4/60 | Income Dr. | Balance 1/4/60 Cr. | Interest | Other Receipts | Total Income | Payments | Detail | Income Dr. | Balance 31/3/61 Cr. | Capital Balance 31/3/61 | Total Balance |
|---|------------------------------|---------------|--------------------------|------------|-------------------|-----------------|-------------|---------|---------------|---------------------------|-------------------------------|------------------|
| Capital Endowments—Trusts | | | | | | | | | | | | |
| Mitchelson Prize | 100 0 0 | | | 4 5 0 | | 4 5 0 | | | | 4 5 0 | 100 0 0 | 104 5 0 |
| J. C. Enrican—Numismatics | 1,091 8 3 | 64 6 6 | | 49 1 9 | | 113 8 3 | | | | 113 8 3 | 1,091 8 3 | 1,204 16 6 |
| Sir Carrick Robertson—Research | 600 0 0 | 90 0 0 | | 29 6 6 | | 119 6 6 | | | | 119 6 6 | 600 0 0 | 719 6 6 |
| Mackenzie—Library | 2,000 0 0 | 10 16 6 | | 85 8 6 | | 96 5 0 | | | | 96 5 0 | 2,000 0 0 | 2,096 5 0 |
| Edward Earle Vail—Ethnology, Library | 37,394 0 0 | 4,073 3 10 | | 357 3 6 | 739 2 0 | 5,169 9 4 | 3,115 15 10 | | | 2,053 13 6 | 37,394 0 0 | 39,447 13 6 |
| Museum Endowment | 14,116 4 5 | | | 599 18 7 | | 599 18 7 | | | | 599 18 7 | 14,116 4 5 | 14,716 3 0 |
| L. J. Ayre—Philately | | | | 888 19 2 | | 888 19 2 | | | | | 888 19 2 | 888 19 2 |
| Accumulating Endowment | 524 14 8 | | | 22 6 3 | | 22 6 3 | | | | | 547 0 11 | 547 0 11 |
| Reserves | | | | | | | | | | | | |
| Life Members' Subscriptions | 6 151 1 5 | | | 261 8 4 | 162 15 0 | 424 3 4 | 261 8 4 | I&E A/c | | | 6,313 16 5 | 6,313 16 5 |
| | 61,977 8 9 | | 4,238 6 10 | 1,408 18 5 | 1,790 16 2 | 7,438 1 5 | 3,377 4 2 | | | 2,986 16 10 | 63,051 9 2 | 66,038 6 0 |
| General Trusts and Reserves— Specific Purposes | | | | | | | | | | | | |
| Pond Cheeseman Bequest— Commemoration Prize | 145 0 0 | 9 0 0 | | 6 3 3 | | 15 3 3 | 10 0 0 | | | 5 3 3 | 145 0 0 | 150 3 3 |
| Auckland Savings Bank—Building | 5,500 0 0 | | | 233 15 0 | 600 0 0 | 833 15 0 | 3,500 0 0 | AppnA/c | | 233 15 0 | 2,600 0 0 | 2,833 15 0 |
| Bertha Wilson—Cinematography | 2,000 0 0 | | | 85 0 0 | | 85 0 0 | | | | 85 0 0 | 2,000 0 0 | 2,085 0 0 |
| Bertha Wilson—Photography | 1,000 0 0 | 60 0 0 | | 45 1 0 | | 105 1 0 | | | | 105 1 0 | 1,000 0 0 | 1,105 1 0 |
| Horton—Geology | 92 17 5 | | | 3 18 8 | | 3 18 8 | | | | 3 18 8 | 92 17 5 | 96 16 1 |
| Showcases for White China | 10 10 0 | | | 8 6 | | 8 6 | | | | 8 6 | 10 10 0 | 10 18 6 |
| Swords Purchase | 10 0 0 | | | 8 6 | | 8 6 | | | | 8 6 | 10 0 0 | 10 8 6 |
| Oceanographic Grant | 75 0 0 | | | 3 3 9 | | 3 3 9 | | | | 3 3 9 | 75 0 0 | 78 3 9 |
| Geology Department | 36 19 0 | | | 1 10 10 | 5 0 0 | 6 10 10 | 43 9 10 | | | | | |
| Botany Department | 153 10 10 | | | 6 10 0 | | 6 10 0 | 54 15 1 | | | | 105 5 9 | 105 5 9 |

| | | | | | | | | | | | | | |
|-------------------------------------|-------------|--|--------|-----------|-------------|-------------|------------|---------------------------|--|--|----------|-------------|-------------|
| Building Maintenance | 5,827 10 5 | | | 247 13 5 | 805 12 4 | 1,053 5 9 | | | | | | 6,880 16 2 | 6,880 16 2 |
| Car Purchase | 1,113 0 0 | | | 11 14 2 | 250 0 0 | 261 14 2 | 1,374 14 2 | AppnA/c | | | | - | - |
| Memorial Hall | 1,172 1 8 | | | 49 16 2 | 642 9 4 | 692 5 6 | | | | | | 1,854 7 2 | 1,854 7 2 |
| Specimen Purchase | 1,074 14 8 | | | 45 13 9 | 150 0 0 | 195 13 9 | 400 0 0 | Appn/Ac | | | | 870 8 5 | 870 8 5 |
| Showcases and Furniture | 2,301 7 11 | | | 97 15 10 | | 97 15 10 | 2,399 3 9 | AppnA/c | | | | - | - |
| Publications | 2,622 17 2 | | | 111 8 8 | | 111 8 8 | | | | | | 2,734 5 10 | 2,734 5 10 |
| Educational Publications | 1,001 14 6 | | | 42 10 10 | | 42 10 10 | | | | | | 1,044 5 4 | 1,044 5 4 |
| Stamp Collection | 47 17 6 | | | 2 0 5 | 117 13 0 | 119 13 5 | 109 19 3 | | | | | 57 11 8 | 57 11 8 |
| Vaile Obsolescence Fund | 3,070 14 6 | | | 130 9 6 | 226 8 3 | 356 17 9 | | | | | | 3,427 12 3 | 3,427 12 3 |
| Motor Vehicle Depreciation | | | | | 138 10 0 | 138 10 0 | | | | | | 138 10 0 | 138 10 0 |
| | 27,255 15 7 | | 69 0 0 | 1,125 2 3 | 2,935 12 11 | 4,129 15 2 | 7,892 2 1 | | | | 436 18 8 | 23,056 10 0 | 23,493 8 8 |
| General Trusts and Reserves— | | | | | | | | | | | | | |
| General Purposes | | | | | | | | | | | | | |
| Costley Bequest | 7,700 0 0 | | | 327 5 0 | | 327 5 0 | | | | | | 7,700 0 0 | 7,700 0 0 |
| Campbell Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Shaw Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Goldie Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Marshall Bequest | 550 0 0 | | | 23 7 6 | | 23 7 6 | | | | | | 550 0 0 | 550 0 0 |
| Harding Bequest | 500 0 0 | | | 21 5 0 | | 21 5 0 | | | | | | 500 0 0 | 500 0 0 |
| Nathan Bequest | 100 0 0 | | | 4 5 0 | | 4 5 0 | | | | | | 100 0 0 | 100 0 0 |
| Herries Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Gore-Adams Bequest | 100 0 0 | | | 4 5 0 | | 4 5 0 | | | | | | 100 0 0 | 100 0 0 |
| Houghton Bequest | 824 1 11 | | | 35 0 5 | | 35 0 5 | 821 2 3 | Total Interest to I&E A/c | | | | 824 1 11 | 824 1 11 |
| Hanson Bequest | 2,251 15 1 | | | 95 13 4 | 2 4 0 | 97 17 4 | | | | | | 2,253 19 1 | 2,253 19 1 |
| Lunn Bequest | 25 0 0 | | | 1 1 3 | | 1 1 3 | | | | | | 25 0 0 | 25 0 0 |
| Sarah Powley Bequest | 171 1 5 | | | 7 5 7 | | 7 5 7 | | | | | | 171 1 5 | 171 1 5 |
| Sir Cecil Leys Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Mitchelson Bequest | 1,000 0 0 | | | 42 10 0 | | 42 10 0 | | | | | | 1,000 0 0 | 1,000 0 0 |
| Humphreys-Davies Bequest | 590 8 3 | | | 25 1 6 | | 25 1 6 | | | | | | 590 8 3 | 590 8 3 |
| Mitchell Bequest | 25 0 0 | | | 1 1 3 | | 1 1 3 | | | | | | 25 0 0 | 25 0 0 |
| Sir Albert Ellis Estate | 100 0 0 | | | 4 5 0 | | 4 5 0 | | | | | | 100 0 0 | 100 0 0 |
| Depreciation of Investments | 384 10 9 | | | 16 6 5 | | 16 6 5 | | | | | | 384 10 9 | 384 10 9 |
| Henry-George Atkinson Bequest | | | | | 685 10 8 | 685 10 8 | | | | | | 685 10 8 | 685 10 8 |
| | 19,321 17 5 | | | 821 2 3 | 687 14 8 | 1,508 16 11 | 821 2 3 | | | | | 20,009 12 1 | 20,009 12 1 |

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ACCESSIONS 1960-61

- Mr. Rewi Alley: Porcelain figure and five paintings, China.
 Master William R. Arvidson: Stone adze.
 Auckland Zoological Park: Demoiselle Crane.
 Mr. Ian D. Beattie: English squirrel.
 Mr. R. Berry: Collection of willows used for soil conservation and improved hybrids.
 Mr. T. H. Biddle: Stone adze.
 Captain G. A. Blackwell: Four-barrel percussion pistol.
 Mr. Buckley: Large *kokopu* (native trout).
 Miss E. M. Buller: Metal box decorated with mosaic pictures.
 Mrs. E. M. Burrige: Tail of Lyre Bird.
 Mrs. E. M. Carr: Weeders (3).
 Mr. Fred C. Carr: Large greenstone adze.
 Mrs. R. H. Caughey: Large hide shield of Masai-Kenya Highlands.
 Mr. I. M. Chambers: Hybrid mallard x moscovy duck.
 Mr. Chrisp: Portable writing desk; Wedgewood cheese dish; stone carving (Vancouver Island).
 Mr. A. O. Collis: Short bayonet, Italy.
 Rev. G. R. Cornwell: Hat worn by Upi boys, Solomon Islands.
 Mrs. F. Cuffin: Feather cape.
 Mrs. A. Davies: Drake's Plate of brass (replica).
 Mrs. A. Davies: Von Luckner's sextant.
 Mr. Jesse E. Davy: Wedgewood jug.
 Mr. W. G. Deprez: Three water-formed stone balls, Lualaba River, Belgian Congo.
 Mrs. I. W. Diprose: Large obsidian core.
 Mrs. G. F. Dunlop: Gramophone with triple motor.
 Mrs. P. Dunn: Wooden lace bobbins.
 Mrs. P. Dunn: 2 pieces of lace.
 Mrs. L. E. Elliott: Collection of Alaskan ethnographical specimens.
 Mr. W. A. Fairclough: Two Maori rafter-pattern cups and saucers, Royal Doulton.
 Mr. W. Farquarhson: Transport flag (H.M.N.Z.T. NN23 "Maunganui") 1914.
 Mrs. W. H. Fairmond, Snr: Musical box.
 Mr. A. C. Faulkner: Stone adze.
 Mr. F. H. Fearnley: Maori ethnographical specimens, spear point.
 Miss S. Findlay: Obsidian rhyolite.
 Mr. P. J. Flynn: Bone *hei tiki*.
 Mr. H. W. Frogley: Melanesian clubs and paddles.
 Mr. P. Gathercole: Cast of a *rei puta*.
 Mr. R. Gilmour: Fossil wood specimens.
 Mr. W. H. Graveson: 3 stone adzes.
 Mrs. E. A. Green: Umbrella with collapsible handle; pair of shoes.

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- Mr. C. B. Griffith: Compass-theodolite used in Nelson Province, 1842.
 Mr. R. O. Gross: Wooden club, Africa.
 Mr. Wellesley Hamlin: Distinguished Flying Cross and service medals of
 Flt. Lt. G. W. Hamlin, D.F.C.
 Mrs. K. A. Hanks: Hand-embroidered scarf.
 Mrs. G. L. Harford and Mrs. V. M. Dale: Photograph of convoy, Main
 Body, 1st N.Z.E.F.
 Mr. S. J. W. Harker: Greenstone *tiki*, pendants and adzes.
 Mr. A. H. Hart: Military buttons, 14th Regiment.
 Mrs. E. Havell: Gold-mounted signet ring.
 Major C. A. Hexter-Stabbins: Basket work tray, Fiji.
 Mrs. A. Holloway: Pair mounted squirrels.
 Mr. G. A. Holmes: *Hinaki*, Wooden beater; Pumice bowl; wooden artifact.
 Mr. T. J. Horner: Peacock.
 Mr. Trevor Hosking: Material from a Maori rock-shelter, Lake Taupo.
 Mr. L. Hughes: Charts showing voyages of the sailing vessel *Oceola*, New
 York to Auckland.
 Mr. M. Hynes: Georgian wine-glass cooler.
 Mrs. P. Hynes: Collection of plants from N.W. Nelson.
 Miss C. Jefferson: Pottery vessel, Petra, Jordan.
 Mr. H. Joyce: Silver watch.
 Mr. R. G. Keeling: Part of bronze railing, Ypres Cathedral.
 Miss Wilhelmina Laing: Wooden chest.
 Mr. R. Lediard: Collection of plants from Norfolk Island.
 Mr. Lee: French bayonet.
 Mrs. I. G. Liggins: Wooden bowl and *Tridacna* shell adze.
 Mr. D. R. Lyon: Thirty-eight model aeroplanes made by the donor.
 Mrs. MacMurray: Sheffield Plate ewer wine coaster; Wedgwood teapot.
 Mrs. W. Calder Mackay: 2 pottery vessels, Palestine.
 Sir Frank Mappin: Complete court dress and two court swords.
 Mr. R. H. Martin: Examples of tapa, Samoa.
 Brigadier K. McCormick, C.B., C.B.E., D.S.O.: Italian flag taken from a
 dug-out in Tobruk after the first advance into the town.
 Mr. N. V. Matthews: Kumara weeder; large shell, engraved; brass fish-
 hook; stone sinker; kiwi eggs.
 Mr. Richard McGee: German Naval Ensign removed from the Hipper at
 Kiel.
 The McKelvie Trust: Society of Medallists Medal, 1960. Deposited.
 Master Neville McMillan: Wooden pudding knife, Banks Island.
 Mr. H. V. Mephan: Model of four-horse plough, made by donor.
 Mr. Norman Millar: Nest of hedge-sparrow.
 Lieut. R. C. Mitchell: Swagger cane and badge Motor Machine-gun Service.
 Mr. Geo. D. Moon: Officer's whistle and lanyard, from the field in Northern
 France.
 Mr. E. J. Moresby: Stone mere and adzes.
 Mr. Geoff. Nevill, O.B.E.: Wrestlers plaited belt and strip of soft pandanus
 matting worn under it during contests, Pukapuka.

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- Mrs. O'Meara: Service medals.
The Viscountess of Orford: Early mirror.
Mrs. M. Pain: Silver mounted emu egg.
Mrs. J. F. Palmer: Early Wertheim sewing machine and portrait album-music box.
Mrs. C. G. Parker: Chinese Mandarin robe.
Mr. W. Parsons: Three Javanese carved masks.
Mrs. A. B. V. Paterson: Set of South African Republic coins of 1892-98.
Family of the late George Pirrit: Hand blown jar made in glass blowers' works, Freemans Bay, about 1897.
Mr. D. B. Poulter: Rubber latex.
Mr. Peter Read: Part Moa skeleton.
Mr. Hugh Rees: South African War records.
Mr. W. F. Ritter: Stone adze.
Mrs. A. Robertson: Handwoven huckaback towel and blanket, early 19th century.
Mrs. H. Rodgers: Hand sewing machine. Brought to New Zealand 1835.
Commodore J. O'C. Ross, R.N.Z.N.: Log of H.M.S. Achilles covering the period of the River Plate action, 13th December, 1939. Deposited.
Two seaman's knives with lanyards.
Mr. A. M. Samuel: Egyptian tapestry.
Mr. Russell Sherer: Woman's net bag, New Guinea.
Mr. L. C. Sherling: Palolo worms.
Mr. T. Shine: Stone spear point (North America).
Mrs. B. Spain: Stone adze.
Mr. Jack Sutton: Bubble in volcanic rock.
Mr. A. Sword: Metal ashtray, Japan.
Mr. J. Torrance: Silhouettes by Wilhelm Muller of Düsseldorf.
Edward Earle Vaile Trust Fund: Additions to the collections purchased through the Edward Earle Vaile Fund include early English Pottery (13 pieces), Maori collections, and eighteenth century silver.
Mr. R. Walker: Stone adze.
Mr. L. A. Wheatley: Powder flask and shot flask.
Mr. E. D. Willis: Daguerreotype.
Miss Therese B. Wilson: Spode plate, 1790.
Mr and Mrs. Eric J. Wiseman: Lute, by Goulding and Co., London.
Messrs. Wright and Jaques: Columbia press, 1878.
Mr. C. Zimmerman: Car badge of the 2 i/c Japanese Southern armies.
Storm-driven and accidentally killed birds: Master Mark Atkinson, Mr. S. C. Bird, Mr. S. K. Carswell, Mr. M. E. Fitzgerald, Mrs. D. Hardwick, Helena Bay School, Mr. A. Lomas, Mr. H. Millar, Mrs. E. Minikin, Mr. R. C. Nicholas, Mr. C. A. Neate, Patricia and Norman Olsen, Mr. H. L. Pratt, Mr. J. Prickett, Mr. O. F. Rix, Mr. E. D. Shearer, Mr. Malcolm Stewart, Te Awamutu Historical Society, Mr. J. R. Walker.

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Whitten, Rev. H. E.
Wilding, Miss R.
Wilkinson, Mrs. I.
Williams, E. Gordon
Williams, Mrs. E. W.
Williamson, Mrs. M. F.
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Wilson, Mrs. F. W.
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Wilson, J. A.
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Wolfram, Mrs. M.

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Worthy, Mrs. I.
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Wynn-Williams, Miss O.
Wynyard, Miss E. A.
Wynyard, G. L.

*Yates, F. R.
Yen, D. E., M.Agric.Sc.

Zinzan, G. L., B.A., B.Agric.Sc.
Zohrab, Mrs. M. E.

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The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

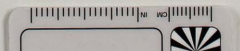
Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

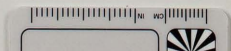
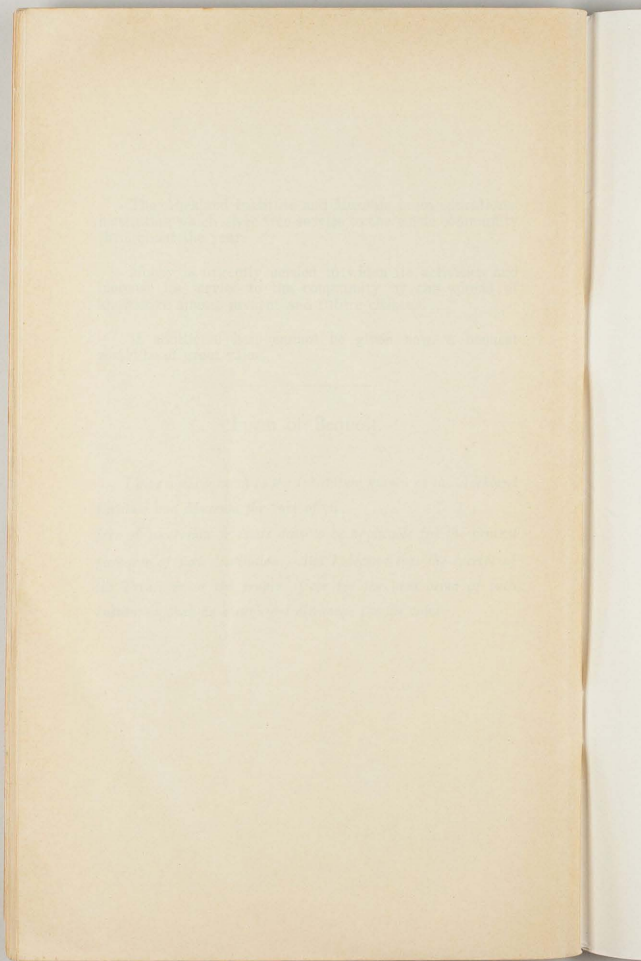
Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

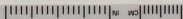
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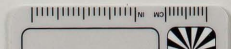
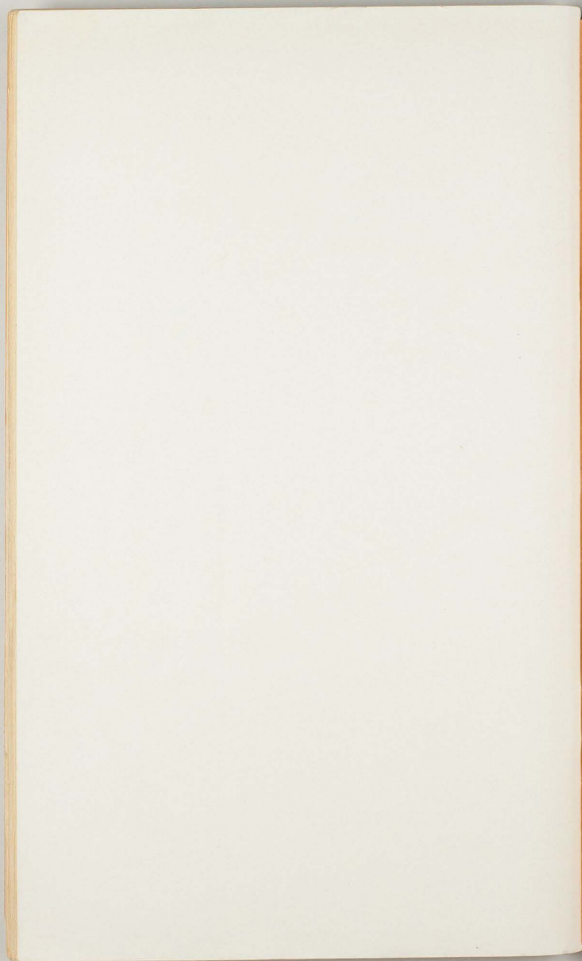
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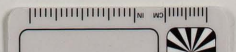
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Printed by
Unity Press Ltd., Auckland

